

Result	Query No.	Score	Match Length	DB ID	%
<hr/>					
1	36.2	C.7	42	17 A2795654	
c	2	35.4	0.7	50 14 BQ577141	A2796554 2M0C5.B03
c	3	35.2	0.6	40 17 A2853C64	BQ577141 PEESTocabi
c	4	35.2	0.5	43 9 AA773360	A2853C64 2M0C10N09
c	5	35.3	0.6	50 17 A2862836	AA773360 ab65t08_s
c	6	34.8	0.6	49 9 AA842027	A28665271 1M035GA24
c	7	34.6	0.6	49 9 AA842027	AA842027 MEAFCEFC2D0
c	8	34.2	0.6	49 17 A28466508	AZ8466508 2M0146F20
c	9	34.2	0.6	40 17 A2374770	AZ374770 1M0127118
c	10	34.2	0.6	47 17 A2385590	AZ238467 1M0532E18
c	11	34.2	0.6	47 17 A2853C64	AZ2853C64 2M015EKO4
c	12	34.2	0.6	47 17 A2862836	AZ2862836 2M0C174M10
c	13	34.2	0.6	47 17 A2864870	AZ2864870 2M0C174M10
c	14	34.2	0.6	48 17 A2979655	AZ2979655 2M0C174M10
c	15	34.2	0.6	49 9 A1813244	A1813244 3G2 Pine
c	16	34.2	0.6	49 10 AV833587	AV833587 AV833587
c	17	34.2	0.6	50 17 A2776590	AZ2776590 2M0C10A23
c	18	33.6	0.6	42 10 AV957667	AV957667 AV957667
c	19	33.6	0.6	47 10 AV9477640	AV9477640 AV9477640
c	20	33.6	0.6	49 10 AV671476	AV671476 AV671476
c	21	33.4	0.6	43 17 A2345546	A2345546 1M0380C14
c	22	33.4	0.6	44 10 AV672475	AV672475 AV672475
c	23	33.4	0.6	44 10 AV833550	AV833550 AV833550
c	24	33.4	0.6	44 17 A2974579	AZ2974579 2M0219A18
c	25	33.4	0.6	47 10 AV9492100	AV9492100 AV9492100
c	26	33.2	0.6	38 17 A2871535	AZ871535 CM0194N24
c	27	33.2	0.6	50 17 A2776790	AZ776790 2M0010C14
c	28	33.2	0.6	50 17 A2827028	AZ827028 2M010C3MC9
c	29	33	0.6	44 10 T54684	T54684 Yba1a05_r1
c	30	33	0.6	42 17 A2826548	AZ826548 2M0362C1C2
c	31	33	0.6	42 17 A2941720	AZ941720 2M0201003
c	32	33	0.6	46 10 AV963987	AV963987 AV963987
c	33	32.8	0.6	38 17 A2479105	AZ479105 1M0298U11
c	34	32.6	0.6	39 10 AV673727	AZ673727 AV673727
c	35	32.6	0.6	39 17 A287073	AZ87073 2M0369N24
c	36	32.6	0.6	39 17 A672637	AZ672637 AY672637
c	37	32.6	0.6	41 10 AV672637	AZ672637 AV672637
c	38	32.5	0.6	49 10 AV95544	AV95544 AV95544
c	39	32.4	0.6	47 10 AV955412	AV955412 AV955412
c	40	32.2	0.6	37 17 A2346663	AZ2346663 1M0382C01
c	41	32.2	0.6	38 17 A294674	AZ94674 2M0308C21
c	42	32.2	0.6	45 17 A2833436	AZ833436 2M0115G01
c	43	32.2	0.6	49 13 BJ000259	BJ000259 BJ000259
c	44	32	0.6	45 10 AV967392	AV967392 AV967392
c	45	31.8	0.6	36 17 A2664037	AZ664037 1M0044EB05
c	46	31.8	0.6	37 17 A2645311	AZ645311 1M0510K10
c	47	31.8	0.6	38 17 A2333216	AZ333216 1M00CC2N12
c	48	31.8	0.6	42 17 ACE9C801	AZ5908C1 1M04C8N04
c	49	31.8	0.6	49 10 AV674036	AV674036 AV74036
c	50	31.8	0.6	50 2 HSN002946	A1038470 Homo sapi
c	51	31.6	0.6	39 17 A284448C	AZ84448C 2M0143B07
c	52	31.4	0.6	50 12 BE97695	BE97695 bs57403_17
c	53	30.8	0.6	34 17 A2966687	AZ966687 2M0237L17
c	54	30.8	0.6	36 17 A2387862	AZ387862 1M0347M22
c	55	30.8	0.6	45 13 BJ000572	BJ000572 BJ000572
c	56	30.4	0.6	50 9 A1755739	A1755739 EtESTaa20
c	57	30.2	0.6	47 10 AW250816	AW250816 2822228.3
c	58	30.2	0.6	49 9 A1161925	A1161925 mr22371
c	59	30.2	0.6	49 9 A5975756	A5975756 tr92b52_x
c	60	30	0.6	47 2 HSN002950	A1034848 Homo sapi
c	61	30	0.6	47 10 AV962498	AZ962498 2M0233F17
c	62	30	0.6	43 17 A2962584	AV962584 2M0228M07
c	63	29.8	0.5	44 13 BJ001599	BJ001599 RJ001599
c	64	29.8	0.5	33 17 A2664035	AZ664035 1M0327F12
c	65	29.8	0.5	33 17 A2876021	AZ876021 2M0129C23
c	66	29.8	0.5	33 17 A296480	AZ96480 2M0233F17
c	67	29.8	0.5	24 10 AV962498	AV962498 AV962498
c	68	29.8	0.5	43 17 A1270095	A1270095 CT63C08_X
c	69	29.8	0.5	49 9 AA66391	AA66391 w4f01a1_r
c	70	29.8	0.5	50 9 AA66391	AA66391 w4f01a1_r
c	71	29.6	0.5	41 17 A2424284	A2424284 1M0233M14
c	72	29.6	0.5	45 10 AW249352	AW249352 2822663.3
c	73	29.6	0.5	49 9 A1431439	A1431439 sh36h10_x
c	74	29.6	0.5	50 9 AA564185	AA564185 RJ04d11_s
c	75	29.4	0.5	34 9 AL668112	AL668112 RL668112
c	76	29.4	0.5	46 17 A2353297	AZ932397 2M02218A04
c	77	29.4	0.5	49 9 A04843	A04843 DWF2P546K
c	78	29.4	0.5	49 9 A04843	A04843 DWF2P546K
c	79	29.4	0.5	49 10 AV836215	AV836215 AV836215

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

## SUMMARIES

Result	Query No.	Score	Match Length	DB ID	Description
<hr/>					
1	36.2	C.7	42	17 A2795654	A2795654 2M0C5.B03
c	2	35.4	0.7	50 14 BQ577141	BQ577141 PEESTocabi
c	3	35.2	0.6	40 17 A2511352	A2511352 1M035GA24
c	4	35.2	0.5	43 9 AA773360	AA773360 ab65t08_s
c	5	35.3	0.6	50 17 A2665271	A2665271 1M044EC08
c	6	34.8	0.6	49 9 AA842027	AA842027 MEAFCEFC2D0

AN589132	vi153909_r
PG240708	en028401_79
AHS85120	NHTB2Ba0e03
AL601194	AL601194
AW215755	upc001_7
BO238820	NISC_krp03
BQ25202	NISC_ff04
BC124323	n004
AT721160	1Mm0467Lnoq
A1036769	Homo sapi
AL2759568	Homo sapi
AT2758627	2Mm0232A20
AT2004183	2Mm0064M02
RF5_F14	en0274405
PG284949	b2184405
BG166502	6C2139795
AL45493	Homo sapi
AL587540	Homo sapi
AL1036682	Homo sapi
AL1038111	Homo sapi
AL641164	AL641164
AI1220282	ao10C10_S
AI0673039	1Mm0148F21
AI036793	Homo sapi
RG610636	en02611813
RG7806064	2Mm0035CG22
AV950753	AV950753
AI161235	mnc22901_r
AC243932	1Mm0119M12
AC289954	1Mm0233C02
AT276231	1Mm0294P14
AL791626	AL791626
AL587964	AL587964
AI5785034	2Mm0238I10
AI5785028	2Mm0238I06
AI910723	ni910_010_S
AI967273	AV967273
AC652785	1Mm0119M12
BMG17352	6D3C23C02
AI1038483	Homo sapi
AL1038483	Homo sapi
AV164921	AVn-43-3
AA971126	on0608_S
AL653192	AL653192
AI771494	2Mm044G15
AC294886	v163h07_r
BMG17354	v163h04_r
AT245677	rkg9b04_r
PET74767	rkg9b04_r
AI647085	Homo sapi
AV164921	AVn-43-3
AA971126	on0608_S
AL653192	AL653192
AI771494	2Mm044G15
AC294886	v163h07_r
BMG17352	6D3C23C02
AT2578C7	2Mm0234H10
AL647085	AL647085
RG613262	en0274405
AC211753	1Mm047FC2
AC263801	1Mm0232E23
AR812124	2Mm0110P16
BEF25501	6D3C06952
AT273775	2Mm001B04
BI640345	6D334221
AC2310745	1Mm00467Lnoq
AI01751C	Homo sapi
AT667850	1Mm0234A07
AT667850	2Mm069A14
AL793866	AL793866
AL571962	AL571962
AL641160	AL641160
AI309161	1b258D07_X
AT289731	1Mm00467Lnoq
AI290437	mn1001_r



C 372	24	6	A262716.0	AW327777	d3c13377	
C 373	26	0.5	A262716.2	A138686	Homo sapi	
C 374	24	4	A296119.3	BG6119.3	Homo sapi	
C 375	24	4	A296119.3	BG6119.3	Homo sapi	
C 376	24	4	A246515.0	A246515.0	Homo sapi	
C 377	24	4	A250104.0	A1333909	Homo sapi	
C 378	24	4	A280964.3	A280964.3	Homo sapi	
C 379	24	4	A081937	BG081937	Homo sapi	
C 380	24	4	A246326.8	A246326.8	Homo sapi	
C 381	24	4	A262546.8	A262546.8	Homo sapi	
C 382	24	4	BG61034.3	BG61034.3	Homo sapi	
C 383	24	4	A257559.3	A257559.3	Homo sapi	
C 384	24	4	A262014.5	A262014.5	Homo sapi	
C 390	24	4	A04545D15	A04545D15	Homo sapi	
C 391	24	4	A283655.8	A283655.8	Homo sapi	
C 386	24	4	A2888835	A2888835	Homo sapi	
C 387	24	4	A08449.4	BG08449.4	Homo sapi	
C 388	24	4	BG61036.6	BG61036.6	Homo sapi	
C 389	24	4	A037952.0	A037952.0	Homo sapi	
C 390	24	4	AQ02646.3	AQ02646.3	Homo sapi	
C 391	24	4	A1045089.9	A1045089.9	Homo sapi	
C 392	24	4	AA89529.9	AA89529.9	Homo sapi	
C 393	24	4	A246515.0	A246515.0	Homo sapi	
C 394	24	4	BG61036.6	BG61036.6	Homo sapi	
C 395	24	4	A246515.0	A246515.0	Homo sapi	
C 396	24	2	A245594.6	A245594.6	Homo sapi	
C 397	24	2	A281937.4	A281937.4	Homo sapi	
C 398	24	2	BG61036.6	BG61036.6	Homo sapi	
C 399	24	2	A19642.4	A19642.4	Homo sapi	
C 400	24	2	A037952.0	A037952.0	Homo sapi	
C 401	24	2	A782410.9	A782410.9	Homo sapi	
C 402	24	2	BF526154.6	BF526154.6	Homo sapi	
C 403	24	2	A136984.9	A136984.9	Homo sapi	
C 404	24	2	AL636986.6	AL636986.6	Homo sapi	
C 405	24	2	AL660986.6	AL660986.6	Homo sapi	
C 406	24	2	AL660986.6	AL660986.6	Homo sapi	
C 407	24	2	HSM0045E	HSM0045E	Homo sapi	
C 408	24	2	RG166502.4	RG166502.4	Homo sapi	
C 409	24	2	A0203057	A0203057	Homo sapi	
C 410	24	2	HSM0045B	HSM0045B	Homo sapi	
C 411	24	2	AW698626.6	AW698626.6	Homo sapi	
C 412	24	2	BG292448.6	BG292448.6	Homo sapi	
C 413	24	2	BG028312.5	BG028312.5	Homo sapi	
C 414	24	2	BG028312.5	BG028312.5	Homo sapi	
C 415	24	2	B19028898.6	B19028898.6	Homo sapi	
C 416	24	2	AL587842.4	AL587842.4	Homo sapi	
C 417	24	2	AL640163.4	AL640163.4	Homo sapi	
C 418	24	2	BG117508.4	BG117508.4	Homo sapi	
C 419	24	2	AL645122.4	AL645122.4	Homo sapi	
C 420	24	2	BF526558.4	BF526558.4	Homo sapi	
C 421	24	2	BF337242.4	BF337242.4	Homo sapi	
C 422	24	2	AL788821.4	AL788821.4	Homo sapi	
C 423	24	2	A2477776.4	A2477776.4	Homo sapi	
C 424	24	2	A255893.4	A255893.4	Homo sapi	
C 425	24	2	T25598.4	T25598.4	Homo sapi	
C 426	24	2	A248618.4	A248618.4	Homo sapi	
C 427	24	2	AL628336.4	AL628336.4	Homo sapi	
C 428	24	2	A2477776.4	A2477776.4	Homo sapi	
C 429	24	2	A255893.4	A255893.4	Homo sapi	
C 430	24	2	A0590547.4	A0590547.4	Homo sapi	
C 431	24	2	AWC15755.4	AWC15755.4	Homo sapi	
C 432	24	2	BG256941.4	BG256941.4	Homo sapi	
C 433	24	2	B149340.4	B149340.4	Homo sapi	
C 434	24	2	B1858831.4	B1858831.4	Homo sapi	
C 435	24	2	A0598577.4	A0598577.4	Homo sapi	
C 436	24	2	A26256379.4	A26256379.4	Homo sapi	
C 437	24	2	BP343486.4	BP343486.4	Homo sapi	
C 438	24	2	BG256941.4	BG256941.4	Homo sapi	
C 439	24	2	B149340.4	B149340.4	Homo sapi	
C 440	24	2	BG062166.4	BG062166.4	Homo sapi	
C 441	24	2	BG263372.4	BG263372.4	Homo sapi	
C 442	24	2	BG265386.4	BG265386.4	Homo sapi	
C 443	24	2	BG393428.4	BG393428.4	Homo sapi	
C 444	24	2	A2486183.4	A2486183.4	Homo sapi	
C 445	24	0.5	A138686	A138686	Homo sapi	
C 446	24	0.5	A262546.8	A262546.8	Homo sapi	
C 447	24	0.5	A246515.0	A246515.0	Homo sapi	
C 448	24	0.5	A246515.0	A246515.0	Homo sapi	
C 449	24	0.5	A246515.0	A246515.0	Homo sapi	
C 450	24	0.5	A246515.0	A246515.0	Homo sapi	
C 451	24	0.5	A246515.0	A246515.0	Homo sapi	
C 452	24	0.5	A246515.0	A246515.0	Homo sapi	
C 453	24	0.5	A246515.0	A246515.0	Homo sapi	
C 454	24	0.5	A246515.0	A246515.0	Homo sapi	
C 455	24	0.5	A246515.0	A246515.0	Homo sapi	
C 456	24	0.5	A246515.0	A246515.0	Homo sapi	
C 457	24	0.5	A246515.0	A246515.0	Homo sapi	
C 458	24	0.5	A246515.0	A246515.0	Homo sapi	
C 459	24	0.5	A246515.0	A246515.0	Homo sapi	
C 460	24	0.5	A246515.0	A246515.0	Homo sapi	
C 461	24	0.5	A246515.0	A246515.0	Homo sapi	
C 462	24	0.5	A246515.0	A246515.0	Homo sapi	
C 463	24	0.5	A246515.0	A246515.0	Homo sapi	
C 464	24	0.5	A246515.0	A246515.0	Homo sapi	
C 465	24	0.5	A246515.0	A246515.0	Homo sapi	
C 466	24	0.5	A246515.0	A246515.0	Homo sapi	
C 467	24	0.5	A246515.0	A246515.0	Homo sapi	
C 468	24	0.5	A246515.0	A246515.0	Homo sapi	
C 469	24	0.5	A246515.0	A246515.0	Homo sapi	
C 470	24	0.5	A246515.0	A246515.0	Homo sapi	
C 471	24	0.5	A246515.0	A246515.0	Homo sapi	
C 472	24	0.5	A246515.0	A246515.0	Homo sapi	
C 473	24	0.5	A246515.0	A246515.0	Homo sapi	
C 474	24	0.5	A246515.0	A246515.0	Homo sapi	
C 475	24	0.5	A246515.0	A246515.0	Homo sapi	
C 476	24	0.5	A246515.0	A246515.0	Homo sapi	
C 477	24	0.5	A246515.0	A246515.0	Homo sapi	
C 478	24	0.5	A246515.0	A246515.0	Homo sapi	
C 479	24	0.5	A246515.0	A246515.0	Homo sapi	
C 480	24	0.5	A246515.0	A246515.0	Homo sapi	
C 481	24	0.5	A246515.0	A246515.0	Homo sapi	
C 482	24	0.5	A246515.0	A246515.0	Homo sapi	
C 483	24	0.5	A246515.0	A246515.0	Homo sapi	
C 484	24	0.5	A246515.0	A246515.0	Homo sapi	
C 485	24	0.5	A246515.0	A246515.0	Homo sapi	
C 486	24	0.5	A246515.0	A246515.0	Homo sapi	
C 487	24	0.5	A246515.0	A246515.0	Homo sapi	
C 488	24	0.5	A246515.0	A246515.0	Homo sapi	
C 489	24	0.5	A246515.0	A246515.0	Homo sapi	
C 490	24	0.5	A246515.0	A246515.0	Homo sapi	
C 491	24	0.5	A246515.0	A246515.0	Homo sapi	
C 492	24	0.5	A246515.0	A246515.0	Homo sapi	
C 493	24	0.5	A246515.0	A246515.0	Homo sapi	
C 494	24	0.5	A246515.0	A246515.0	Homo sapi	
C 495	24	0.5	A246515.0	A246515.0	Homo sapi	
C 496	24	0.5	A246515.0	A246515.0	Homo sapi	
C 497	24	0.5	A246515.0	A246515.0	Homo sapi	
C 498	24	0.5	A246515.0	A246515.0	Homo sapi	
C 499	24	0.5	A246515.0	A246515.0	Homo sapi	
C 500	24	0.5	A246515.0	A246515.0	Homo sapi	
C 501	24	0.5	A246515.0	A246515.0	Homo sapi	
C 502	24	0.5	A246515.0	A246515.0	Homo sapi	
C 503	24	0.5	A246515.0	A246515.0	Homo sapi	
C 510	24	0.5	A246515.0	A246515.0	Homo sapi	
C 511	24	0.5	A246515.0	A246515.0	Homo sapi	
C 512	24	0.5	A246515.0	A246515.0	Homo sapi	
C 513	24	0.5	A246515.0	A246515.0	Homo sapi	
C 514	24	0.5	A246515.0	A246515.0	Homo sapi	
C 515	24	0.5	A246515.0	A246515.0	Homo sapi	
C 516	24	0.5	A246515.0	A246515.0	Homo sapi	
C 517	24	0.5	A246515.0	A246515.0	Homo sapi	
C 518	24	0.5	A246515.0	A246515.0	Homo sapi	
C 519	24	0.5	A246515.0	A246515.0	Homo sapi	
C 520	24	0.5	A246515.0	A246515.0	Homo sapi	
C 521	24	0.5	A246515.0	A246515.0	Homo sapi	
C 522	24	0.5	A246515.0	A246515.0	Homo sapi	
C 523	24	0.5	A246515.0	A246515.0	Homo sapi	
C 524	24	0.5	A246515.0	A246515.0	Homo sapi	
C 525	24	0.5	A246515.0	A246515.0	Homo sapi	
C 526	24	0.5	A246515.0	A246515.0	Homo sapi	
C 527	24	0.5	A246515.0	A246515.0	Homo sapi	
C 528	24	0.5	A246515.0	A246515.0	Homo sapi	
C 529	24	0.5	A246515.0	A246515.0	Homo sapi	
C 530	24	0.5	A246515.0	A246515.0	Homo sapi	
C 531	24	0.5	A246515.0	A246515.0	Homo sapi	
C 532	24	0.5	A246515.0	A246515.0	Homo sapi	
C 533	24	0.5	A246515.0	A246515.0	Homo sapi	
C 534	24	0.5	A246515.0	A246515.0	Homo sapi	
C 535	24	0.5	A246515.0	A246515.0	Homo sapi	
C 536	24	0.5	A246515.0	A246515.0	Homo sapi	
C 537	24	0.5	A246515.0	A246515.0	Homo sapi	
C 538	24	0.5	A246515.0	A246515.0	Homo sapi	
C 539	24	0.5	A246515.0	A246515.0	Homo sapi	
C 540	24	0.5	A246515.0	A246515.0	Homo sapi	
C 541	24	0.5	A246515.0	A246515.0	Homo sapi	
C 542	24	0.5	A246515.0	A246515.0	Homo sapi	
C 543	24	0.5	A246515.0	A246515.0	Homo sapi	
C 544	24	0.5	A246515.0	A246515.0	Homo sapi	
C 545	24	0.5	A246515.0	A246515.0	Homo sapi	
C 546	24	0.5	A246515.0	A246515.0	Homo sapi	
C 547	24	0.5	A246515.0			

c	518	23.6	0.4	32	2	HSM003156	A1038680	Homo sapi	A2833425	2M0115EDP04	
c	519	23.6	0.4	34	10	AV962925	AV962925	A1038680	28	17	
c	520	23.6	0.4	35	17	A275723	2M0032H19	A1486613	28	17	
c	521	23.6	0.4	37	9	AA97505	AA97505	A1515CD21	0.4	28	
c	522	23.6	0.4	38	17	A2638883	1M0439G05	A1515CD21	0.4	28	
c	523	23.6	0.4	38	10	HSM001841	A1037510	Homo sapi	0.4	29	
c	524	23.6	0.4	40	9	AL04840	AL1840C	DKFZP86G	0.4	29	
c	525	23.6	0.4	40	9	A2391073	IM015124	A2451930	0.4	29	
c	526	23.6	0.4	40	17	HSM02020	A1037589	IM015124	A2451930	0.4	29
c	527	23.6	0.4	41	10	AV742106	AV742106	A2468402	0.4	29	
c	528	23.6	0.4	42	10	AV841138	AV841138	A2468402	0.4	29	
c	529	23.6	0.4	43	9	AL587884	AL587884	A2468402	0.4	29	
c	530	23.6	0.4	43	13	BJ034348	EJ033448	A2468402	0.4	29	
c	531	23.6	0.4	43	17	A2638828	IM0494110	A288731	0.4	29	
c	532	23.6	0.4	44	10	AV967414	AV967414	A288731	0.4	29	
c	533	23.6	0.4	44	17	AL76C205	AL76C205	A288731	0.4	29	
c	534	23.6	0.4	45	9	AL795146	AL795146	A288731	0.4	29	
c	535	23.6	0.4	46	13	BG917265	BG917265	A288731	0.4	29	
c	536	23.6	0.4	47	9	AL793866	AL793866	A288731	0.4	29	
c	537	23.6	0.4	49	9	AA545635	VJ5Khs05.R	A2853220	0.4	29	
c	538	23.6	0.4	50	9	AA853120	NHTBCaa03	A2853220	0.4	29	
c	539	23.6	0.4	50	9	AJ500C588	AJ500C588	A252114	0.4	29	
c	540	23.6	0.4	50	9	AL587874	AL587874	A1039122	0.4	29	
c	541	23.6	0.4	50	9	AA571989	AA571989	Homo sapi	0.4	29	
c	542	23.6	0.4	50	13	BM589359	kj600D05.Y	A1039122	0.4	29	
c	543	23.6	0.4	50	13	BM589359	A251024	IMC35K22	0.4	29	
c	544	23.6	0.4	55	17	A2510124	IMC35K22	A1039122	0.4	29	
c	545	23.6	0.4	50	9	AJ500C588	AJ500C588	A1039122	0.4	29	
c	546	23.6	0.4	50	9	AL587874	AL587874	A1039122	0.4	29	
c	547	23.6	0.4	56	17	A2661486	A2661486	A1039122	0.4	29	
c	548	23.6	0.4	56	17	A2771239	A2771239	A1039122	0.4	29	
c	549	23.6	0.4	56	17	A2939813	A2939813	A1039122	0.4	29	
c	550	23.6	0.4	56	17	A2655531	A2655531	A1039122	0.4	29	
c	551	23.6	0.4	55	25	A2661804	A2661804	A1039122	0.4	29	
c	552	23.6	0.4	56	17	A2661486	A2661486	A1039122	0.4	29	
c	553	23.6	0.4	56	17	A2666145	A2666145	A1039122	0.4	29	
c	554	23.6	0.4	56	17	A2771239	A2771239	A1039122	0.4	29	
c	555	23.6	0.4	56	17	A2939813	A2939813	A1039122	0.4	29	
c	556	23.6	0.4	56	17	A2655531	A2655531	A1039122	0.4	29	
c	557	23.6	0.4	56	17	A2862643	A2862643	A1039122	0.4	29	
c	558	23.6	0.4	56	17	A2862643	A2862643	A1039122	0.4	29	
c	559	23.6	0.4	56	17	A2862643	A2862643	A1039122	0.4	29	
c	560	23.6	0.4	56	17	A2862643	A2862643	A1039122	0.4	29	
c	561	23.6	0.4	56	17	A2862643	A2862643	A1039122	0.4	29	
c	562	23.6	0.4	56	17	A2862643	A2862643	A1039122	0.4	29	
c	563	23.6	0.4	56	17	A2862643	A2862643	A1039122	0.4	29	
c	564	23.6	0.4	56	17	A2862643	A2862643	A1039122	0.4	29	
c	565	23.6	0.4	56	17	A2862643	A2862643	A1039122	0.4	29	
c	566	23.6	0.4	56	17	A2862643	A2862643	A1039122	0.4	29	
c	567	23.6	0.4	56	17	A2862643	A2862643	A1039122	0.4	29	
c	568	23.6	0.4	56	17	A2862643	A2862643	A1039122	0.4	29	
c	569	23.6	0.4	56	17	A2862643	A2862643	A1039122	0.4	29	
c	570	23.6	0.4	56	17	A2862643	A2862643	A1039122	0.4	29	
c	571	23.6	0.4	56	17	A2862643	A2862643	A1039122	0.4	29	
c	572	23.6	0.4	56	17	A2862643	A2862643	A1039122	0.4	29	
c	573	23.6	0.4	56	17	A2862643	A2862643	A1039122	0.4	29	
c	574	23.6	0.4	56	17	A2862643	A2862643	A1039122	0.4	29	
c	575	23.6	0.4	56	17	A2862643	A2862643	A1039122	0.4	29	
c	576	23.6	0.4	56	17	A2862643	A2862643	A1039122	0.4	29	
c	577	23.6	0.4	56	17	A2862643	A2862643	A1039122	0.4	29	
c	578	23.6	0.4	56	17	A2862643	A2862643	A1039122	0.4	29	
c	579	23.6	0.4	56	17	A2862643	A2862643	A1039122	0.4	29	
c	580	23.6	0.4	56	17	A2862643	A2862643	A1039122	0.4	29	
c	581	23.6	0.4	56	17	A2862643	A2862643	A1039122	0.4	29	
c	582	23.6	0.4	56	17	A2862643	A2862643	A1039122	0.4	29	
c	583	23.6	0.4	56	17	A2862643	A2862643	A1039122	0.4	29	
c	584	23.6	0.4	56	17	A2862643	A2862643	A1039122	0.4	29	
c	585	23.6	0.4	56	17	A2862643	A2862643	A1039122	0.4	29	
c	586	23.6	0.4	56	17	A2862643	A2862643	A1039122	0.4	29	
c	587	23.6	0.4	56	17	A2862643	A2862643	A1039122	0.4	29	
c	588	23.6	0.4	56	17	A2862643	A2862643	A1039122	0.4	29	
c	589	23.6	0.4	56	17	A2862643	A2862643	A1039122	0.4	29	
c	590	23.6	0.4	56	17	A2862643	A2862643	A1039122	0.4	29	
c	591	23.6	0.4	56	17	A2862643	A2862643	A1039122	0.4	29	
c	592	23.6	0.4	56	17	A2862643	A2862643	A1039122	0.4	29	
c	593	23.6	0.4	56	17	A2862643	A2862643	A1039122	0.4	29	
c	594	23.6	0.4	56	17	A2862643	A2862643	A1039122	0.4	29	
c	595	23.6	0.4	56	17	A2862643	A2862643	A1039122	0.4	29	
c	596	23.6	0.4	56	17	A2862643	A2862643	A1039122	0.4	29	
c	597	23.6	0.4	56	17	A2862643	A2862643	A1039122	0.4	29	
c	598	23.6	0.4	56	17	A2862643	A2862643	A1039122	0.4	29	
c	599	23.6	0.4	56	17	A2862643	A2862643	A1039122	0.4	29	
c	600	23.6	0.4	56	17	A2862643	A2862643	A1039122	0.4	29	
c	601	23.6	0.4	56	17	A2862643	A2862643	A1039122	0.4	29	
c	602	23.6	0.4	56	17	A2862643	A2862643	A1039122	0.4	29	
c	603	23.6	0.4	56	17	A2862643	A2862643	A1039122	0.4	29	
c	604	23.6	0.4	56	17	A2862643	A2862643	A1039122	0.4	29	
c	605	23.6	0.4	56	17	A2862643	A2862643	A1039122	0.4	29	
c	606	23.6	0.4	56	17	A2862643	A2862643	A1039122	0.4	29	
c	607	23.6	0.4	56	17	A2862643	A2862643	A1039122	0.4	29	
c	608	23.6	0.4	56	17	A2862643	A2862643	A1039122	0.4	29	
c	609	23.6	0.4	56	17	A2862643	A2862643	A1039122	0.4	29	
c	610	23.6	0.4	56	17	A2862643	A2862643	A1039122	0.4	29	
c	611	23.6	0.4	56	17	A2862643	A2862643	A1039122	0.4	29	
c	612	23.6	0.4	56	17	A2862643	A2862643	A1039122	0.4	29	
c	613	23.6	0.4	56	17	A2862643	A2862643	A1039122	0.4	29	
c	614	23.6	0.4	56	17	A2862643	A2862643	A1039122	0.4	29	
c	615	23.6	0.4	56	17	A2862643	A2862643	A1039122	0.4	29	
c	616	23.6	0.4	56	17	A2862643	A2862643	A1039122	0.4	29	
c	617	23.6	0.4	56	17	A2862643	A2862643	A1039122	0.4	29	
c	618	23.6	0.4	56	17	A2862643	A2862643	A1039122	0.4	29	
c	619	23.6	0.4	56	17	A2862643	A2862643	A1039122	0.4	29	
c	620	23.6	0.4	56	17	A2862643	A2862643	A1039122	0.4	29	
c	621	23.6	0.4	56	17	A2862643	A2862643	A1039122	0.4	29	
c	622	23.6	0.4	56	17	A2862643	A2862643	A1039122	0.4	29	
c	623	23.6	0.4	56	17	A2862643	A2862643	A1039122	0.4	29	
c	624	23.6	0.4	56	17	A2862643	A2862643	A1039122	0.4	29	
c	625	23.6	0.4	56	17	A2862643	A2862643	A1039122	0.4	29	
c	626	23.6	0.4	56	17	A2862643	A2862643	A1039122	0.4	29	
c	627	23.6	0.4	56	17	A2862643	A2862643	A1039122	0.4	29	
c	628	23.6	0.4	56	17	A2862643	A286				

			A2824367	2M3538C17
664	2	13	B2582856	B2582856
665	4	17	A2831381	2M112F5
666	2	17	A2775066	2M0007101
667	4	17	A2829598	A2827708
668	2	17	AW334133	S3097107
669	2	17	TA37406	T brucei
670	2	17	PF09938	C1P6c77
671	2	17	A2555703	1M095D02
672	2	17	A274531	1M127B19
673	2	17	A266584	2M228MC7
674	2	17	HSM00247	
675	2	17	A1049841	Homo sapi
676	2	17	A1566390	A1566391
677	2	17	A2262317	2M1101A13
678	2	17	HSMC02131	
679	2	17	HSMC03134	
680	2	17	AL74514	
681	2	17	BE370238	EC5c69477
682	2	17	PF120988	6022981276
683	2	17	AL742942	1M1463E19
684	2	17	A2793049	2M045M4
685	2	17	AL660275	AL660275
686	2	17	AL755414	AL795414
687	2	17	PF09945	601671082
688	2	17	PF120982	
689	2	17	AL742942	
690	2	17	A2793049	
691	2	17	AL660275	
692	2	17	AL755414	
693	2	17	AA549132	vi53394
694	2	17	PF2260708	602289229
695	2	17	BM1315C	1M0135C0
696	2	17	BI491716	de14104 w
697	2	17	PF09945	2M02429
698	2	17	PF09945	2M02429
699	2	17	PF09945	2M02429
700	2	17	PF09945	2M02429
701	2	17	PF09945	2M02429
702	2	17	TA21207P	
703	2	17	PF09945	
704	2	17	PF09945	
705	2	17	PF09945	
706	2	17	PF09945	
707	2	17	PF09945	
708	2	17	PF09945	
709	2	17	PF09945	
710	2	17	PF09945	
711	2	17	PF09945	
712	2	17	PF09945	
713	2	17	AW327277	d301207 x
714	2	17	PF09945	1M0264yif
715	2	17	PF09945	1M0385f14
716	2	17	PF09945	1M04185f15
717	2	17	PF09945	1M06228P4
718	2	17	PF09945	1M06329P8
719	2	17	PF09945	1M06433P1
720	2	17	PF09945	1M06456P1
721	2	17	PF09945	1M071819
722	2	17	PF09945	1M082115
723	2	17	PF09945	1M082323
724	2	17	PF09945	1M082323
725	2	17	PF09945	1M082323
726	2	17	PF09945	1M082323
727	2	17	PF09945	1M082323
728	2	17	PF09945	1M082323
729	2	17	PF09945	1M082323
730	2	17	PF09945	1M082323
731	2	17	PF09945	1M082323
732	2	17	PF09945	1M082323
733	2	17	PF09945	1M082323
734	2	17	PF09945	1M082323
735	2	17	PF09945	1M082323
736	2	17	PF09945	1M082323
737	2	17	PF09945	1M082323
738	2	17	PF09945	1M082323
739	2	17	PF09945	1M082323
740	2	17	PF09945	1M082323
741	2	17	PF09945	1M082323
742	2	17	PF09945	1M082323
743	2	17	PF09945	1M082323
744	2	17	PF09945	1M082323
745	2	17	PF09945	1M082323
746	2	17	PF09945	1M082323
747	2	17	PF09945	1M082323
748	2	17	PF09945	1M082323
749	2	17	PF09945	1M082323
750	2	17	PF09945	1M082323
751	2	17	PF09945	1M082323
752	2	17	PF09945	1M082323
753	2	17	PF09945	1M082323
754	2	17	PF09945	1M082323
755	2	17	PF09945	1M082323
756	2	17	PF09945	1M082323
757	2	17	PF09945	1M082323
758	2	17	PF09945	1M082323
759	2	17	PF09945	1M082323
760	2	17	PF09945	1M082323
761	2	17	PF09945	1M082323
762	2	17	PF09945	1M082323
763	2	17	PF09945	1M082323
764	2	17	PF09945	1M082323
765	2	17	PF09945	1M082323
766	2	17	PF09945	1M082323
767	2	17	PF09945	1M082323
768	2	17	PF09945	1M082323
769	2	17	PF09945	1M082323
770	2	17	PF09945	1M082323
771	2	17	PF09945	1M082323
772	2	17	PF09945	1M082323
773	2	17	PF09945	1M082323
774	2	17	PF09945	1M082323
775	2	17	PF09945	1M082323
776	2	17	PF09945	1M082323
777	2	17	PF09945	1M082323
778	2	17	PF09945	1M082323
779	2	17	PF09945	1M082323
780	2	17	PF09945	1M082323
781	2	17	PF09945	1M082323
782	2	17	PF09945	1M082323
783	2	17	PF09945	1M082323
784	2	17	PF09945	1M082323
785	2	17	PF09945	1M082323
786	2	17	PF09945	1M082323
787	2	17	PF09945	1M082323
788	2	17	PF09945	1M082323
789	2	17	PF09945	1M082323
790	2	17	PF09945	1M082323
791	2	17	PF09945	1M082323
792	2	17	PF09945	1M082323
793	2	17	PF09945	1M082323
794	2	17	PF09945	1M082323
795	2	17	PF09945	1M082323
796	2	17	PF09945	1M082323
797	2	17	PF09945	1M082323
798	2	17	PF09945	1M082323
799	2	17	PF09945	1M082323
800	2	17	PF09945	1M082323
801	2	17	PF09945	1M082323
802	2	17	PF09945	1M082323
803	2	17	PF09945	1M082323
804	2	17	PF09945	1M082323
805	2	17	PF09945	1M082323
806	2	17	PF09945	1M082323
807	2	17	PF09945	1M082323
808	2	17	PF09945	1M082323
809	2	17	PF09945	1M082323
810	2	17	PF09945	1M082323
811	2	17	PF09945	1M082323
812	2	17	PF09945	1M082323
813	2	17	PF09945	1M082323
814	2	17	PF09945	1M082323
815	2	17	PF09945	1M082323
816	2	17	PF09945	1M082323
817	2	17	PF09945	1M082323
818	2	17	PF09945	1M082323
819	2	17	PF09945	1M082323
820	2	17	PF09945	1M082323
821	2	17	PF09945	1M082323
822	2	17	PF09945	1M082323
823	2	17	PF09945	1M082323
824	2	17	PF09945	1M082323
825	2	17	PF09945	1M082323
826	2	17	PF09945	1M082323
827	2	17	PF09945	1M082323
828	2	17	PF09945	1M082323
829	2	17	PF09945	1M082323
830	2	17	PF09945	1M082323
831	2	17	PF09945	1M082323
832	2	17	PF09945	1M082323
833	2	17	PF09945	1M082323
834	2	17	PF09945	1M082323
835	2	17	PF09945	1M082323
836	2	17	PF09945	1M082323
837	2	17	PF09945	1M082323
838	2	17	PF09945	1M082323
839	2	17	PF09945	1M082323
840	2	17	PF09945	1M082323
841	2	17	PF09945	1M082323
842	2	17	PF09945	1M082323
843	2	17	PF09945	1M082323
844	2	17	PF09945	1M082323
845	2	17	PF09945	1M082323
846	2	17	PF09945	1M082323
847	2	17	PF09945	1M082323
848	2	17	PF09945	1M082323
849	2	17	PF09945	1M082323
850	2	17	PF09945	1M082323
851	2	17	PF09945	1M082323
852	2	17	PF09945	1M082323
853	2	17	PF09945	1M082323
854	2	17	PF09945	1M082323
855	2	17	PF09945	1M082323
856	2	17	PF09945	1M082323
857	2	17	PF09945	1M082323
858	2	17	PF09945	1M082323
859	2	17	PF09945	1M082323
860	2	17	PF09945	1M082323
861	2	17	PF09945	1M082323
862	2	17	PF09945	1M082323
863	2	17	PF09945	1M082323
864	2	17	PF09945	1M082323
865	2	17	PF09945	1M082323
866	2	17	PF09945	1M082323
867	2	17	PF09945	1M082323
868	2	17	PF09945	1M082323
869	2	17	PF09945	1M082323
870	2	17	PF09945	1M082323
871	2	17	PF09945	1M082323
872	2	17	PF09945	1M082323
873	2	17	PF09945	1M082323
874	2	17	PF09945	1M082323
875	2	17	PF09945	1M082323
876	2	17	PF09945	1M082323
877	2	17	PF09945	1M082323
878	2	17	PF09945	1M082323
879	2	17	PF09945	1M082323
880	2	17	PF09945	1M082323
881	2	17	PF09945	1M082323
882	2	17	PF09945	1M082323
883	2	17	PF09945	1M082323
884	2	17	PF09945	1M082323
885	2	17	PF09945	1M082323
886	2	17	PF09945	1M082323
887	2	17	PF09945	1M082323
888	2	17	PF09945	1M082323
889	2	17	PF09945	1M082323
890	2	17	PF09945	1M082323
891	2	17	PF09945	1M082323
892	2	17	PF09945	1M082323
893	2	17	PF09945	1M082323
894	2	17	PF09945	1M082323
895	2	17	PF09945	1M082323
896	2	17	PF09945	1M082323
897	2	17	PF09945	1M082323
898	2	17	PF09945	1M082323
899	2	17	PF09945	1M082323
900	2	17	PF09945	1M082323
901	2	17	PF09945	1M082323
902	2	17	PF09945	1M082323
903	2	17	PF09945	1M082323
904	2	17	PF09945	1M082323
905	2	17	PF09945	1M082323
906	2	17	PF09945	1M082323
907	2	17	PF09945	1M082323
908	2	17	PF09945	1M082323
909	2	17	PF09945	1M082323
910	2	17	PF09945	1M082323
911	2	17	PF09945	1M082323
912	2	17	PF09945	1M082323
913	2	17	PF09945	1M082323
914				

810	22.6	34	10	AW698832	E44C	non-	883	22.4	27	AZ589821
	0.4	34	12	BG513139	63259543		884	22.4	27	AZ616094
C	812	22.6	0.4	AA93B021	AL492675	T. brucei	885	22.4	27	AZ623386
C	813	22.6	3.4	37	AA97F07.5		886	22.4	27	AZ627947
C	814	22.6	0.4	13	BG39838	B. o. 97F07.5	887	22.4	27	AZ776487
C	815	22.6	0.4	37	AZ804190	2M0064P19	888	22.4	27	AZ893295
C	816	22.6	0.4	38	AL766788	Arabidopsis	889	22.4	27	AJ35506P
C	817	22.6	0.4	32	AL648316	AL648316	890	22.4	27	AJ257468
C	818	22.6	0.4	40	ALC48104	DKFZP86G	891	22.4	0.4	AZ358038
C	819	22.6	0.4	46	BF382039	60186366	892	22.4	28	AZ81286
C	820	22.6	0.4	40	AZ26380	IMC050A12	893	22.4	29	AZ81924
C	821	22.6	0.4	40	AZ615880	IM045L2C	894	22.4	0.4	TA244308P
C	822	22.6	0.4	42	BG1388662	EST-CD34N	895	22.4	0.4	BG501338
C	823	22.6	0.4	42	BJ058175	B058175	896	22.4	0.4	BE032851
C	824	22.6	0.4	45	AV854173	AV854173	897	22.4	0.4	R5916Y
C	825	22.6	0.4	45	BJ063342	BJ063342	898	22.4	0.4	AZ21251
C	826	22.6	0.4	45	BJ062071	IM045ZEL1	899	22.4	0.4	AZ627842
C	827	22.6	0.4	46	BJ015738	B015738	900	22.4	0.4	PJ639891
C	828	22.6	0.4	47	BF107886	601823895	901	22.4	0.4	AV674152
C	829	22.6	0.4	48	BJ058175	B058175	902	22.4	0.4	AV833140
C	830	22.6	0.4	48	AV854173	AV854173	903	22.4	0.4	BJ041405
C	831	22.6	0.4	49	BJ061092	BJ061092	904	22.4	0.4	BG067181
C	832	22.6	0.4	50	AJ499559	AJ499559	905	22.4	0.4	T56295
C	833	22.6	0.4	50	AJ500405	AJ500405	906	22.4	0.4	T5529
C	834	22.4	0.4	24	EG670391	DRNBABF06	907	22.4	0.4	N3345
C	835	22.4	0.4	24	AZ328848	IMC052ZM1	908	22.4	0.4	AL639511
C	836	22.4	0.4	24	AZ2363562	IM0105G10	909	22.4	0.4	AW25247
C	837	22.4	0.4	24	AZ386491	IM014D02	910	22.4	0.4	BG067181
C	838	22.4	0.4	24	AZ239042	IM015ZH07	911	22.4	0.4	AL62838
C	839	22.4	0.4	24	AZ459280	IM026A05	912	22.4	0.4	AL48293
C	840	22.4	0.4	24	AZ644621	IM05069FA12	913	22.4	0.4	AM0510B17
C	841	22.4	0.4	24	AZ834920	IM01249A05	914	22.4	0.4	BG600995
C	842	22.4	0.4	24	AZ970338	2M024J02	915	22.4	0.4	BG082856
C	843	22.4	0.4	24	AZ386491	IM014D02	916	22.4	0.4	AZ356235
C	844	22.4	0.4	24	AZ239042	IM015ZH07	917	22.4	0.4	BG067181
C	845	22.4	0.4	24	AZ459280	IM026A05	918	22.4	0.4	AL62838
C	846	22.4	0.4	24	AZ644621	IM05069FA12	919	22.4	0.4	AL48293
C	847	22.4	0.4	24	AZ834920	IM01249A05	920	22.4	0.4	AM0510B17
C	848	22.4	0.4	24	AZ970338	2M024J02	921	22.4	0.4	BG600995
C	849	22.4	0.4	24	AZ386490	IM014D02	922	22.4	0.4	AZ356235
C	850	22.4	0.4	24	AZ239042	IM015ZH05	923	22.4	0.4	BG067181
C	851	22.4	0.4	25	AZ169112F	AL78822	924	22.4	0.4	BP1707886
C	852	22.4	0.4	25	AZ459280	IM026A05	925	22.4	0.4	AV742042
C	853	22.4	0.4	25	AZ644621	IM05069FA12	926	22.4	0.4	AV834112
C	854	22.4	0.4	25	AZ834920	IM01249A05	927	22.4	0.4	AV947763
C	855	22.4	0.4	25	AZ970338	2M024J02	928	22.4	0.4	BG179823
C	856	22.4	0.4	25	AZ386490	IM014D02	929	22.4	0.4	A1337715
C	857	22.4	0.4	25	AZ239042	IM015ZH05	930	22.4	0.4	BP1707886
C	858	22.4	0.4	25	AZ644621	IM05069FA12	931	22.4	0.4	AV742042
C	859	22.4	0.4	25	AZ834920	IM01249A05	932	22.4	0.4	BB894311
C	860	22.4	0.4	25	AZ970338	2M024J02	933	22.4	0.4	BC387587
C	861	22.4	0.4	25	AZ386490	IM014D02	934	22.4	0.4	NIISC_mn24
C	862	22.4	0.4	25	AZ239042	IM015ZH08	935	22.4	0.4	AZ356235
C	863	22.4	0.4	25	AZ644621	IM05069FA12	936	22.4	0.4	AU265383
C	864	22.4	0.4	25	AZ834920	IM01249A05	937	22.4	0.4	AL481539
C	865	22.4	0.4	25	AZ644621	IM05069FA12	938	22.4	0.4	AV952778
C	866	22.4	0.4	25	AZ834920	IM01249A05	939	22.4	0.4	AZ661444
C	867	22.4	0.4	25	AZ644621	IM05069FA12	940	22.4	0.4	AQ05534
C	868	22.4	0.4	25	AZ386490	IM014D02	941	22.4	0.4	AV952778
C	869	22.4	0.4	25	AZ587774	AL587774	942	22.4	0.4	AU265347
C	870	22.4	0.4	25	AZ644621	IM05069FA12	943	22.4	0.4	R16114
C	871	22.4	0.4	25	AZ834920	IM01249A05	944	22.4	0.4	AV952778
C	872	22.4	0.4	25	AZ644621	IM05069FA12	945	22.4	0.4	AZ589720
C	873	22.4	0.4	25	AZ386490	IM014D02	946	22.4	0.4	AU270778
C	874	22.4	0.4	25	AZ239042	IM015ZH08	947	22.4	0.4	AV952778
C	875	22.4	0.4	25	AZ644621	IM05069FA12	948	22.4	0.4	M52146
C	876	22.4	0.4	25	AZ834920	IM01249A05	949	22.4	0.4	AA552205
C	877	22.4	0.4	25	AZ327613	IM01249A05	950	22.4	0.4	AV959884
C	878	22.4	0.4	25	AZ7788646	IM0035L19	951	22.4	0.4	AL638385
C	879	22.4	0.4	25	AZ2344642	IM0078H15	952	22.4	0.4	AZ778447
C	880	22.4	0.4	25	AZ401672	IM0168K04	953	22.4	0.4	BG552943
C	881	22.4	0.4	25	AZ486791	IM0262C12	954	22.4	0.4	AW332205
C	882	22.4	0.4	25	AZ511894	IMC357E11	955	22.4	0.4	AGS104992





**RESULT 5**  
 AZ66271 LOCUS GSS14 DEC 2001  
 DEFINITION mRNA library Mus musculus genomic  
 clone UGCM046000 P, DNA sequence  
 ACCESSION AZ66271  
 VERSION 31.11862417  
 KEYWORDS GSS  
 SOURCE mouse  
 ORGANISM Mus musculus  
 CHORDATA; Vertebrata; Craniata; Eutheria; Rodentia; Sciurognath; Murinae; Mus;  
 Mammalia; Eutheria; Rodentia; Sciurognath; Muridae; Murinae;  
 EUKARYOTA; MATERIA; Chordata; Craniata; Vertebrata; Eutheria; Murinae; Mus;  
 (bases 1 to 50)  
 Dunn, R., Aoyagi, A., Barber, M., Beacorn, T., Bival, B., Hamil, C.,  
 Islam, H., Longacre, S., Mahmood, M., Meenon, E., Pedersen, T., Peilly,  
 M., Rose, M., Rose, P., Stokes, R., Tingey, A., von Niederhausern, A.,  
 and Wright, D., Weiss, R.  
**TITLE** Mouse whole genome scaffolding with paired end reads from 10kb

JOURNAL  
 COMMENT  
 Contact: Robert B. Weiss  
 University of Utah Genome Center  
 University of Utah  
 Rm. 308, Biomedical Polymers Research Bldg., 20 S. 2030 E., SLC, UT  
 84112, USA  
 Tel: 801 585 5606  
 Fax: 801 585 7177  
 Email: [dnamgenetics.utah.edu](mailto:dnamgenetics.utah.edu)  
 Insert: 10000 Std. Error: 0.00  
 Plate: 0548 Row: C Column: 08  
 Seq primer: CATCTAGAAAATGTTGAC  
 Class: plasmid ends

FEATURES	source
High quality sequence stop: 50.	Location/Qualifiers
1..50	
/organism="Mus musculus"	
/strain="C57BL/6J"	
/db_xref=Taxon:10090	
/clone_id="JGCG1M0546508"	
/clone_lib="Mouse-00b Plasmid YAC3CM library"	
/sex="Male"	
/lab_host="E. coli strain XL10-Gold, TrI-resistant, F-	
/note="Vector: PWD42nv; Purified genomic DNA from M.	
musculus C57BL/6J mice obtained from Jackson Laboratory."	

Laboratory Mouse DNA Resources (<http://www.jax.org/resources/documents/instrates/>): The DNA was hydrodynamically sheared by repeated passage through a 0.65 inch orifice at constant velocity. The sheared DNA was blunt end-repaired with T4 DNA polymerase and T4 polynucleotide kinase. Adapter oligonucleotides were ligated to the blunt ends in high molar excess. The adapter DNA was purified and size-selected for a 9.5 to 10.5 kb range using preparative agarose gel electrophoresis. Vector DNA was prepared from a derivative of pMD42 (gi|471214|32:AF109072.1), a copy-number-inducible derivative of plasmid pI. The vector was ligated with adaptors complementary to the insert adaptors and purified. The sheared, adapter-modified mouse DNA was annealed to adapter-vector DNA, and transfected into chemically-competent Escherichia coli XL1-Gold (Stratagene) cells and selected for ampicillin resistance.<sup>11</sup>

RESULT 6  
 AA842277  
 LOCUS  
 DEFINITION MPAFCT2003T3 Brugia malayi adult female CENA (SAW95MLW-BMAF) Brugia malayi CENA clone AF2003T3, mPFA sequence  
 ACCESSION AA842277  
 VERSION AA842277.1 GI:2933363  
 KEYWORDS EST  
 SOURCE Brugia malayi  
 ORGANISM Brugia malayi  
 Brugia malayi; Meizaz; Nomadida; Chitona; Sphaerid; Filariidae;  
 Onchoceridae; Brugia.  
 1 (bases 1 to 49)  
 AUTHORS Blaxter, M.L., Waterfall, M., Dauh, J., Litvarts, M., Baron, L. and Jones, S.J.  
 TITLE Genes expressed in adult female Brugia malayi  
 JOURNAL Unpublished (1996)  
 COMMENT Contact: Blaxter ML

INSTITUTE OF MEDICAL AND BIOPHYSICAL SCIENCES,  
University of Edinburgh, West Mains Road, Edinburgh, EH9  
Ashworth Labs, King's Buildings, West Mains Road, Edinburgh, EH9  
3JU, UK.  
Tel.: +44 131 670 5450  
Fax: +44 131 670 5450  
Email: mark.blaxter@ed.ac.uk  
The ABI trace of this sequence can be viewed at  
<http://www.sanger.ac.uk/brugia/AF/MEAF/ET03T3.html>  
Seq primer: T3  
Source: FEATURES  
Qualifiers: Location/Qualifiers  
1. 49  
/organism="Brugia malayi"  
/db\_xref="taxon:6219"

```

/clone="AFCEFD03"
/clone_lib="Brugia malayi adult female cDNA (SAM96MLW-BmAF
)""
/sex="female"
/dev stage="adult"
/lab host="Xu1-Blue MRF"
/rec="Victor; Lambada Uni-ZAP XR; Site 1; FcR; RL; Site 2;
Xu1; Lymphatic filarial nematode parasite of humans.
mRNA was prepared from approximately 50 adult females
isolated from the peritoneal cavity of birds and
converted to double-stranded cDNA
using the SuperScript II RT-PCR kit and the
SuperScript Double-Stranded cDNA Synthesis Kit.
The cDNA was then purified using the QIAquick PCR Purification Kit.
```

with adaptors complementary to the -insert adaptors and purified. The sheared, adaptorized mouse DNA was annealed to adaptor vector DNA, and transformed into chemically-competent *E. coli* XL10-Gold (Stratagene) cells

RESULT 7	ZB846608	49 bp	DNA	linear	GSS 21-FEB-2001
DEFINITION 2M0146720R Mouse 10kb plasmid UGGCIM library Mus musculus genomic clone UGGCIM0146F20 R, DNA sequence.					
ACCESSION	AZ846608				
EPSON	AZ44f6nB 1	GI:13027870			
KEYWORDS	GSS.				
SOURCE	Mus musculus				
ORGANISM	Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus. I (bases 1 to 49)				
REFERENCE	Dunn,D., Aoyagi,A., Barber,M., Beacorn,T., Duval,B., Hamil,C., Islam,H., Longacre,S., Mahmoud,M., Meenen,E., Pedersen,T., Reilly,M., Rose,M., Rose,R., Stokes,P., Tingey,A., von Niederhausern,A. and Wright,D., Weiss,R.				
AUTHORS					
TITLE	Mouse whole genome scaffolding with paired end reads from 10kb plasmid inserts				
JOURNAL	Unpublished (2000)				
COMMENT	Contact: Robert B. Weiss University of Utah Genome Center University of Utah P.O. 309, Biomedical Polymers Research Bldg., 20 S 2030 E., SLC, UT 84112, USA Tel: 801 585 5606 Fax: 801 585 7177 Email: ddunn@genetics.utah.edu Insert Length: 10nn Std Errr: 0.00 Plate: 0146 row: F column: 20 Seq primer: CACACGAAACAGCTATGACC Class: Plasmid ends High quality sequence stop: 49. Location/Qualifiers				
FEATURES	source /organism="Mus musculus" /strain="C57BL/6J" /note="vector: PWD42Inv; Purified genomic DNA from M. musculus C57BL/6J (male) was obtained from the Jackson Laboratory Mouse DNA Resource ( <a href="http://www.jax.org/resources/documents/dnareas/">http://www.jax.org/resources/documents/dnareas/</a> ). The DNA was hydrodynamically sheared by repeated passage through a 0.005 inch orifice at constant velocity. The sheared DNA was blunt end-repaired with T4 DNA Polymerase and T4 polynucleotide kinase. Adaptor oligonucleotides were ligated to the blunt ends in high molar excess. The adaptor DNA was purified and size-selected for a 9.5 to 10.5 kb range using preparative agarose gel electrophoresis. Vector DNA was prepared from a derivative of PWD42 (gi 47321149b AF219021), a copy-number inducible derivative of plasmid R1. The vector was ligated				
RESULT 8	AZ374770	50 bp	DNA	linear	GSS 02-OCT-2000
LOCUS	AZ374770				
DEFINITION	IM01217118R Mouse 10kb plasmid UGGCIM library Mus musculus genomic clone UGGCIM01217118 R, DNA sequence.				
ACCESSION	AZ374770				
VERSION	AZ374770.1				
KEYWORDS	GSS.				
SOURCE	Mus musculus				
ORGANISM	Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus. I (bases 1 to 50)				
REFERENCE	Dunn,D., Aoyagi,A., Barber,M., Beacorn,T., Duval,B., Hamil,C., Islam,H., Longacre,S., Mahmoud,M., Meenen,E., Pedersen,T., Reilly,M., Rose,M., Rose,R., Stokes,P., Tingey,A., von Niederhausern,A. and Wright,D., Weiss,R.				
AUTHORS					
TITLE	Mouse whole genome scaffolding with paired end reads from 10kb plasmid inserts				
JOURNAL	Unpublished (2000)				
COMMENT	Contact: Robert B. Weiss University of Utah Genome Center University of Utah P.M. 309, Biomedical Polymers Research Bldg., 20 S 2030 E., SLC, UT 84112, USA Tel: 801 585 5606 Fax: 801 585 7177 Email: ddunn@genetics.utah.edu Insert Length: 10nn Std Errr: 0.00 Plate: 0127 row: I column: 18 Seq primer: CACAOAGAAAACAGCTATGACC Class: Plasmid ends High quality sequence stop: 50. Location/Qualifiers				
FEATURES	source /organism="Mus musculus" /strain="C57BL/6J" /note="vector: PWD42Inv; Purified genomic DNA from M. musculus C57BL/6J (male) was obtained from the Jackson Laboratory Mouse DNA Resource ( <a href="http://www.jax.org/resources/documents/dnareas/">http://www.jax.org/resources/documents/dnareas/</a> ). The DNA was hydrodynamically sheared by repeated passage through a 0.005 inch orifice at constant velocity. The sheared DNA was blunt end-repaired with T4 DNA Polymerase and T4 polynucleotide kinase. Adaptor oligonucleotides were ligated to the blunt ends in high molar excess. The adaptor DNA was purified and size-selected for a 9.5 to 10.5 kb range using preparative agarose gel electrophoresis. Vector DNA was prepared from a derivative of PWD42 (gi 47321149b AF219021), a copy-number inducible derivative of plasmid R1. The vector was ligated				
LOCUS	AZ374770				
DEFINITION	IM01217118R Mouse 10kb plasmid UGGCIM library Mus musculus genomic clone UGGCIM01217118 R, DNA sequence.				
ACCESSION	AZ374770				
VERSION	AZ374770.1				
KEYWORDS	GSS.				
SOURCE	Mus musculus				
ORGANISM	Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus. I (bases 1 to 50)				
REFERENCE	Dunn,D., Aoyagi,A., Barber,M., Beacorn,T., Duval,B., Hamil,C., Islam,H., Longacre,S., Mahmoud,M., Meenen,E., Pedersen,T., Reilly,M., Rose,M., Rose,R., Stokes,P., Tingey,A., von Niederhausern,A. and Wright,D., Weiss,R.				
AUTHORS					
TITLE	Mouse whole genome scaffolding with paired end reads from 10kb plasmid inserts				
JOURNAL	Unpublished (2000)				
COMMENT	Contact: Robert B. Weiss University of Utah Genome Center University of Utah P.M. 309, Biomedical Polymers Research Bldg., 20 S 2030 E., SLC, UT 84112, USA Tel: 801 585 5606 Fax: 801 585 7177 Email: ddunn@genetics.utah.edu Insert Length: 10nn Std Errr: 0.00 Plate: 0127 row: I column: 18 Seq primer: CACAOAGAAAACAGCTATGACC Class: Plasmid ends High quality sequence stop: 50. Location/Qualifiers				
FEATURES	source /organism="Mus musculus" /strain="C57BL/6J" /note="vector: PWD42Inv; Purified genomic DNA from M. musculus C57BL/6J (male) was obtained from the Jackson Laboratory Mouse DNA Resource ( <a href="http://www.jax.org/resources/documents/dnareas/">http://www.jax.org/resources/documents/dnareas/</a> ). The DNA was hydrodynamically sheared by repeated passage through a 0.005 inch orifice at constant velocity. The sheared DNA was blunt end-repaired with T4 DNA Polymerase and T4 polynucleotide kinase. Adaptor oligonucleotides were ligated to the blunt ends in high molar excess. The adaptor DNA was purified and size-selected for a 9.5 to 10.5 kb range using preparative agarose gel electrophoresis. Vector DNA was prepared from a derivative of PWD42 (gi 47321149b AF219021), a copy-number inducible derivative of plasmid R1. The vector was ligated				

with adaptors complementary to the insert adaptors and hybridized. The sheared, adapted mouse DNA was annealed to adaptor vector DNA, and transformed into chemically competent *E. coli* XL10-Gold (Stratagene) cells and selected for ampicillin resistance.<sup>11</sup>

with adaptors complementary to the insert adaptors and purified. The sheared, adaptored mouse DNA was annealed to adaptored vector DNA, and transformed into chemically-competent E. coli XL1-Gold (Stratagene) cells and selected for ampicillin resistance.

RESULT 1.2  
 AZB6-2836 47 bp DNA linear GSS 21-FEB-2001  
 LOCUS AZB6-2836  
 DEFINITION 2M017N09R Mouse 10kb plasmid UGCGC1M library Mus musculus genomic  
 CLONE UGGC2M017N09 R, DNA sequence.  
 ACCESSION A2865836  
 VERSION A2865836 1 GI: 13060537  
 SOURCE GSS.  
 ORGANISM Mus musculus  
 TAXID 10236  
 COMMON\_NAME Mus musculus  
 SCIENTIFIC\_NAME Mus musculus  
 KINGDOM Animalia  
 PHYLUM Chordata  
 CLASS Mammalia  
 ORDER Rodentia  
 FAMILY Muridae  
 GENUS Mus  
 SPECIES Mus musculus  
 SUBSPECIES Mus musculus  
 VARIETY house mouse.  
 PREFERENCE 1 (bases 1 to 47)  
 AUTHORS Dunn,D., Aoyagi,A., Barber,M., Beacorn,T., Duval,B., Hanif,C.,  
 Islam,H., Longacre,S., Mahmud,M., Meenen,E., Federsen,T., Reilly,  
 M., Rose,M., Rose,R., Stokes,R., Tingey,A., von Niederausern,A.,  
 and Wright,D., Weiss,R.  
 TITLE Mouse whole genome scaffolding with paired end reads from 10kb  
 plasmid inserts  
 Unpublished (2000)  
 Contact: Robert B. Weiss  
 University of Utah Genome Center  
 University of Utah  
 Rm. 308, Biomedical Polymers Research Bldg., 20 S. 2030 E., SLC, UT  
 84112, USA  
 Tel: 801 585 5606  
 Fax: 801 585 7177  
 Email: ddunn@genetics.utah.edu  
 Insert Length: 10000 Std Error: 0.00  
 Plate: 0170 row: N column: 09  
 Class: plasmid ends  
 High quality sequence stop: 47.  
 Location/Qualifiers  
 1..47  
 /organism="Mus musculus"  
 /strain="C57BL/6J"  
 /db\_xref="taxon:10090"  
 /clone="UGC2M017N09"  
 /clone.lib="Mouse 10kb plasmid UGCG1M library"  
 /sex="Male"  
 /lab="E. coli strain XL10-Gold, T1-resistant, F-"  
 /note="Vector: PWDc2nv; Purified genomic DNA from M.  
 musculus C57BL/6J (male) was obtained from the Jackson  
 Laboratory Mouse DNA Resource  
 (<http://www.jax.org/resources/documents/dnarecs/>). The DNA  
 was hydrodynamicly sheared by repeated passage through a  
 0.005 inch orifice at constant velocity. The shared DNA  
 was blunt end-repaired with T4 DNA polymerase and T4  
 polynucleotide kinase. Adapter oligonucleotides were  
 ligated to the blunt ends in high molar excess. The  
 adaptor DNA was purified and size-selected for a 9.5 to  
 10.5 kb range using preparative agarose gel  
 electrophoresis. Vector DNA was prepared from a derivative  
 of PWDc2 (gi:4732114 gb:AF212672.1), a copy number  
 independent derivative of pDINvector. The vector was ligated

with adaptors complementary to the insert adaptors and purified. The sheared, adaptored mouse DNA was annealed to adaptored vector DNA, and transformed into chemically-competent E. coli XL10-Gold (Stratagene) cells and selected for ampicillin resistance."

RESULTS 13  
86470  
CITUS  
DEFINITION  
ACCESSION  
NUMBER  
KEYWORDS  
SOURCE  
ORGANISM  
REFERENCE  
AUTHORS  
TITLE  
JOURNAL  
COMMENT  
SIGNATURES  
SOURCE

strain="C57BL/6J"  
db\_xref="TAXON:10090"  
clone\_lib="MGMO174M10"  
clone\_lib="Mouse 10kb plasmid library"

sex = "Male"

lab\_host = "E. Coli strain XL10-Gold, T1-resist.

note="Vector: PWD42nv; Purified genomic DNA from

*Musculus C5/BL/6J* (male) was obtained from the Jackson Laboratory, Bar Harbor, ME.

<http://www.jax.org/resources/documents/dmrc>

as hydrodynamically steered by repeated passage

.005 inch orifice at constant velocity. The sl

as blunt end-repaired with T4 DNA polymerase

olynucleotide kinase. Adaptor oligonucleotides

The blunt ends in high molar excess ligated to dGANTORED DNA was purified and size-fractionated.

purified and size-selected to a 0.5 kb range using preparative agarose gel electrophoresis. Vector DNA was prepared from a pMD42 (914732114 [GB:AF129072.1]), a copy-number-inducible vector of plasmid pAT. The vector

with adaptors complementary to the insert adaptors and purified. The sheared, adaptor mouse DNA was annealed to chemically competent *E. coli* XL10-Gold (Stratagene) cells and selected for ampicillin resistance.<sup>11</sup>

**RESULT 14**  
 AZ979665/c  
 LOCUS  
 DEFINITION 4 kb cDNA library mouse genomic  
 ACCESSION CM256119 F, Plasmid SUGCM library Mus musculus genomic  
 VERSION A2379665  
 KEYWORDS GSS,  
 SOURCE house mouse  
 ORGANISM Mus musculus  
 Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;  
 Mammalia; Eutheria; Rodentia; Muridae; Murinae; Mus.  
 1 (bases 1 to 48)  
 REFERENCE Dunn,D., Ayagi,A., Barber,M., Beacorn,T., Duval,B., Hamil,C.,  
 Islam,H., Longacre,S., Mahmoud,M., Meenah,E., Pedersen,T., Reilly,  
 M., Rose,M., Rose,P., Stokes,P., Tingay,A., von Niederhaasen,A.,  
 and Wright,D., Weiss,R.  
 AUTHORS  
 TITLE Mouse whole genome scaffolding with paired end reads from 10kb  
 plasmid inserts  
 unpublished (2000)  
 JOURNAL Contact: Robert B. Weiss  
 COMMENT University of Utah Genome Center  
 University of Utah  
 84112, USA  
 Tel: 801 585 5606  
 Fax: 801 585 7177  
 Email: dnmnager@utah.edu  
 Insert length: 1000 3rd error: 0 0 0  
 Plate: 0256 Row: J column: 19  
 Seq primer: CCGTGTAAATGAGCGCTAGT  
 Class: Plasmid ends  
 High quality sequence stop: 48.  
 FEATURES Location/Qualifiers  
 1. .48

/organism="Mus musculus"  
 /strain="CS7BL/6J"  
 /db\_xref="Laxton:10090"  
 /clone="UNG2M0256G19"  
 /clone.lib="Mouse-10kb plasmid MIGC2M library"  
 /sex="Female"  
 /lab\_host="E. coli strain XL1-Gold, T1-resistant, F"  
 /not\_F=Vector PWD42iv, Purified genomic DNA from M.  
 musculus CS7BL/6J (Female) was obtained from the Jackson  
 Laboratory Mouse DNA Resource  
 (<http://wwwjax.org/resources/1-mm-snakes/>). The DNA  
 was hydrodynamically sheared by repeated passage through a  
 0.005 inch orifice at constant velocity. The sheared DNA  
 was blunt end-repaired with T4 DNA polymerase and T4  
 polynucleotide kinase. Adaptor oligonucleotides were  
 ligated to the blunt ends in high molar excess. The  
 adaptored DNA was purified and size-selected for a 9.5 to  
 10.5 kb range using preparative agarose gel  
 electrophoresis. Vector DNA was purified from a derivative  
 of PWD42iv (<http://4732114.95.AE129872.11>), a copy number

Page 15

with adaptors complementary to the insert adaptors and purified. The sheared, adaptor mouse DNA was annealed to adaptor vector DNA, and transformed into chemically-competent *E. coli* XL10-Gold (Stratagene) cells and selected for ampicillin resistance.

**WORDS** EST. *Hordeum vulgare* subsp. *vulgare*.  
**PHRASES** *Hordeum vulgare* subsp. *vulgare*.  
**ORGANISM** *Eukaryota*; *Viridiplantae*; *Streptophyta*; *Embryophyta*; *Tracheophyta*; *Spermatophytina*; *Magnoliophyta*; *Liliopsida*; *Poales*; *Poaceae*; *Pooideae*; *Triticeae*; *Hordeum*.

SULT	15					
811244/C						
CUS	A1813244	49 bp	mRNA	linear	EST 08-JUL-1999	
DEFINITION	3G2 Pine Lambda zap Xylem library		pinus taeda	cDNA, mRNA sequence.		
SEQUENCE	A1813244					
AI1813244						
AI1813244						
EST	AI1813244 1	31:5424459				
KEYWORDS						
loblolly pine.						
ORGANISM	Pinus taeda					
Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;						
SPERMATOPHYTA; Coniferopsida; Pinaceae; Pinus; Pinus.						
REFERENCE						
Whetton, P. W., Kinlaw, C. S., Petzel, E. and Sederoff, R. R.						
AUTHORS						

**TITLE** The Pine Gene Discovery Project  
**IMMEDIATE PUBLICATION?** Unpublished (1999)  
**CONTACT**: Ross Whetten  
Forest Biotechnology Group  
North Carolina State University  
Dept. of Forestry, NC State University, 6113 Jordan Hall, Raleigh  
NC, 27895-8008  
Tel: 919-515-7800  
Fax: 919-515-7801  
**EMAIL:** rosswhet@unity.ncsu.edu

Seq primer: T3.  
 NATURESS  
 source Location/Qualifiers  
 1. .49 /organism="Pinus taeda"  
 /db\_xref="taxon:3352"  
 /clone\_lib="Pine Lambda Zap Xylem library"  
 /tissue\_type="differentiating xylem"  
 /note="Vector: Lambda Zap; Site 1. EcoRI; Site 2: XbaI;  
 Differentiating xylem was collected from the main stem of  
 a 35-year old lobolly pine tree harvested during the  
 growing season. RNA isolation and library preparation  
 followed the methods of Allison et al. (1992). DNA sequencing  
 was performed by the ABI prism method using the BigDye

RESULT 16  
AV833587  
CUCUS DEFINITION AV83587 K. Sato unpublished cDNA library; vulgare shoots germination Hordeum vulgare subsp. vulgare CDNA EST 22-JUN-2001  
EST 22-JUN-2001  
linear  
Hordeum vulgare subsp.  
vulgare CDNA

**WORDS** EST. *Hordeum vulgare* subsp. *vulgare*.  
**PHRASES** *Hordeum vulgare* subsp. *vulgare*.  
**ORGANISM** *Eukaryota*; *Viridiplantae*; *Streptophyta*; *Embryophyta*; *Tracheophyta*; *Spermatophytina*; *Magnoliophyta*; *Liliopsida*; *Poales*; *Poaceae*; *Pooideae*; *Triticeae*; *Hordeum*.

1 (bases 1 to 49)  
Sato, K.  
Barley EST sequencing project in NIG and Okayama Univ  
Unpublished (2001)  
Contact: Kazuhiko Sato  
Research Institute for Bioresources  
Okayama University, Barley Germplasm Center  
Chuo 2-20-1, Kurashiki, Okayama 710-0046, Japan  
Emaill: k.kazuhiko.okayama.u.ac.jp.

STRUCTURE SOURCE	LOCATION/QUALIFIERS	URL
1. 49	/organism="Hordeum vulgare subsp. vulgare" /cultivar="Haruna Nijo" /db_xref="Taxon:112509" /clone_id="base16ab" /clone lib="K. Sato unpublished CDNA library: Hordeum vulgare subsp. vulgare shoots germination" /tissue type="shoots" /dev_stage="germination"	URL: <a href="http://www.rib.okayama-u.ac.jp/barley/">http://www.rib.okayama-u.ac.jp/barley/</a> Sato,K., Saisho,D., Takeda,K., Shini,T. and Kohara,Y. Direct submission: <a href="http://www.shideen.nig.ac.jp/barley/arley.html">http://www.shideen.nig.ac.jp/barley/arley.html</a> .
C a	25 C	0 3
E COUNT		24 t

BUILT 17  
 07/6/90  
 US A2776590 50 bp linear GSS 16-FEB-2004  
 INITIATION 2M0010A23P Mouse 10kb plasmid yggcm library Mus musculus genomic  
 SESSION A2776590 clone UGGCM0010A23 F, DNA sequence.  
 WORDS GSS.  
 SOURCE A2776590.1 GI:12904318  
 ORGANISM house mouse.  
 Mus musculus  
 Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Bilateria; Mammali

University of Utah Genome Center  
University of Utah  
Rm. 308, Biomedical Polymers Research Bldg., 20 S. 2030 E., SLC, UT  
84112, USA  
Tel.: 801 585 5606  
Fax: 801 585 7177  
Email: ddunm@genetics.utah.edu  
Insert Length: 10000 Std Error: 0.00





**AVB31550/c**  
**LOCUS** AVA31550 **F** Sato unpublished cDNA library: *Hordeum vulgare* subspp. *vulgare*, *germanicum*, *Hordeum vulgare* subspp. *vulgare* cDNA  
**DEFINITION** clone bags1c07, mRNA sequence  
**ACCESSION** AVA31550  
**VERSION** AVA31550.1  
**SOURCE** EST  
**KEYWORDS** *Hordeum vulgare* subsp. *vulgare*  
**ORGANISM** *Hordeum vulgare* subsp. *vulgare*  
*Eukaryota; Viridiplantae; Streptophytina; Embryophyta; Tracheophyta;*  
*Spermatophytina; Magnoliophyta; Liliopsida; Poales; Poaceae; Pooidae;*  
*Triticeae; Hordeum.*  
*(bases 1 to 44)*  
**SATO, F**  
*Barley EST sequencing project in NIG and Okayama Univ*  
*Unpublished (2001)*  
*contract: Yarihiko Sato*  
*Research Institute for Bioreources*  
*Okayama University, Barley Germplasm Center*  
*Chuo, 2-2-1, Kurashiki, Okayama 712-0046, Japan:*  
*Email: kazeacrc@okayama-u.ac.jp; barley/*  
*URL: http://www.rish.okayama-u.ac.jp/barley/*  
*Sato, F, Saisho, D., Takeda, K., Shinji, T. and Ichihara, Y. Project*  
*database: http://www.shigen.nig.ac.jp/barleyv/Barlev.html.*

RESULT	24	LOCUS	A2974579	DEFINITION	2974579E Mus musculus, 44 kDa, plasmid fragment, library Mus muscularis genomic clone UGGC2MG29A19 F, DNA sequence.
ACCESSION	A2974579	VERSION	A2974579_1	KEYWORDS	GSS, house mouse.
SOURCE	Mus musculus	ORGANISM	Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Rodentia; Soricomorpha; Muridae; Murinae; Mus.		
REFERENCE	Dunn, D., Aoyagi, A., Barber, M., Beaumont, T., Duval, R., Hamil, C., Islam, H., Longacre, S., Mahmud, M., Maenon, E., Pedersen, T., Reilly, M., Rose, M., Stokes, P., Tingey, A., von Niederhausern, A., and Wright, D., Weiss, R.	1 bases 1 to 44	AUTHORS		
TITLE	Mouse whole genome scaffolding with paired end reads from 10kb plasmid inserts	JOURNAL	Unpublished (2000)		
COMMENT	Contact: Robert B. Weiss University of Utah Genome Center Rm. 3030, Biomedical Polymers Research Bldg., 20 S 2030 E., SLC, UT 84112-0000				

Tel:	801	585	5606
Fax:	801	585	7177
Email:	dinner@genetics.utah.edu		
Insert Length:	10000	std	Error: 0.0
Plate:	0249	row: A	Column: 18
Seq Primer:	CCTGTTAAATAGCATGCCACT		
Class:	plasmid	ends	
High quality sequence stop:	44.		
Location/Qualifiers			
1..44			
/organism="Mus musculus"			
/strain="C57BL/6J"			
/db_xref="taxon:10090"			
/clone_id="JUGCMC0249a18"			
/sex="Female"			
/lab_host="E. coli strain XL10-Gold, T1-resista-			
/rate="Very", PWE42W, Ecoli, 3.32m, cma f,			
musculus C57BL/6J (female)" was obtained from t-			
Laboratory Mouse DNA Resource			
<a href="http://wwwjax.org/resources/datasets/dnarecs/">http://wwwjax.org/resources/datasets/dnarecs/</a>			
was hydrodynamically sheared by repeated passage			
in a one inch orifice at constant velocity. The sh-			
was blunt end recaried with T4 DNA Polymerase and			
polynucleotide kinase. Adaptor oligonucleotides			
ligated to the blunt ends in high molar excess			
adapted DNA was purified and size selected for			
10.5 kb range using preparative agarose gel			
electrophoresis. Vector DNA was purified from a			
of PWE42 (31:472-214.97 [AF229072.1]), a copy num-			
inducible derivative of plasmid R1. The vector			
with adaptors complementary to the insert adapt			
purified. The sheared, adapted mouse DNA was			
adaptored vector DNA, and transformed into			
chemically competent E. coli XL1-Blue (Stratag-			
and selected for ampicillin resistance."			
FEATURES			
source			

RESULT 25  
AV949200  
LOCUS  
DEFINITION  
ACCESSION  
VERSION  
KEYWORDS  
SOURCE  
ORGANISM  
REFERENCE  
AUTHORS  
TITLE  
JOURNAL  
COMMENT  
FEATURES

of pW42 [31/4732114/3b] AF229072-1, a cCPV number inducible derivative of plasmid RI. The vector was ligated with adaptors complementary to the insert adaptors and purified. The sheared, adapter-mouse DNA was annealed to adaptor vector DNA, and transformed into chemically competent *E. coli* XL10-Gold (Stratagene) cells.

of pFW42 (J11472114 [J1]AF122972-1], a copy number inducible derivative of Plasmid P1. The vector was ligated with adaptors complementary to the insert adaptors and purified. The sheared, adaptor mouse DNA was annealed to adaptor vector DNA, and transformed into *Escherichia coli* XL1 Gold (Stratagene) cells and selected for ampicillin resistance.





```

FEATURES          Email: satoh@ascidian.zool.kyoto-u.ac.jp.
source           Location/Qualifiers
1..39           /organism="Ciona intestinalis"
/clone="icitb1510"
/db_xref="taxon:7119"
/clone_lib="Nori Satoh unpublished cDNA library"
/tissue_type="whole animal"
/dev_stage="tailbud"
/note="vector: pBluescript SK"

BASE COUNT      0   a   19   c   1   g   19   t
ORIGIN          0   a   19   c

Query Match     0..6%; Score 32..6%; DB 10; Length 39;
Best Local Similarity 89..7%; Pred. No. 5..9e+05;
Matches 35; Conservative 0; Mismatches 4; Indels 0; GSS
/clone="icitb1510"
/clone_lib="Nori Satoh unpublished cDNA library"
/tissue_type="whole animal"
/dev_stage="tailbud"
/note="vector: pBluescript SK"

RESULT 35
AZ846058
LCCUS          AZ846058          39 bp DNA linear GSS 20
DEFINITION     2M0146507F Mouse 10kb Plasmid UUGCIM 1 library Mus musculus
clone UUGCIM2M0146507 F, DNA sequence.
ACCESSION      A2846058
VERSION        A2846058..1 GI:13015366
KEYWORDS       GSS.

SOURCE          house mouse
ORGANISM        Mus musculus
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Buteleida; Murinae
Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae
1 (bases 1 to 39)
REFERENCE      1
AUTHORS         Dunn,D., Aoyagi,A., Barber,M., Beacorn,T., Duval,B., Hamil
Isam,H., Longacre,S., Mahmoud,M., Meenen,E., Pedersen,T.,
M., Rose,M., Rose,R., Stokes,R., Tingey,A., von Niederau
and Wright,D., Weiss,R.
TITLE          Mouse whole genome scaffolding with paired end reads from 1
plasmid inserts
JOURNAL        Unpublished (2000)
COMMENT        Contact: Robert B. Weiss
University of Utah Genome Center
University of Utah
Rm. 308, Biomedical Polymers Research Bldg., 20 S. 2030 E.
84112, USA
Tel: 801 585 5606
Fax: 801 585 7177
Email: dduan@genetics.utah.edu
Insert Length: 10000 Std Error: 0.00
Row: 0146 Column: 07
Seq primer: CGTGTAAAACGACGCCCACT
Class: plasmid ends
High Quality sequence stop: 39.
Location/Qualifiers
1..39           /organism="Mus musculus"
/strain="C57BL/6J"
/db_xref="taxon:10090"
/clone="UUGCIM2M0146507"
/sex="Male"
/lab_host="E. Coli strain X110-Gold, T1-resistant
/note="vector: pND42nv; Purified genomic DNA from
musculus C57BL/6J (male) was obtained from the J
Laboratory Mouse DNA Resource (http://www.jax.org/resources/documents/dnarecs/).
was hydrodynamically sheared by repeated passage t
0.005 inch orifice at constant velocity. The shear
was blunt end-repaired with T4 DNA polymerase and
polynucleotide kinase. Adaptor oligonucleotides w
ligated to the blunt ends in high molar excess

```

adapted DNA was purified and size-selected for a 9.5 to 10.5 kb range using preparative agarose gel electrophoresis. Vector DNA was prepared from a derivative of pMD42 (gi|432114|gb|AF122072.1), a copy number inducible derivative of plasmid RI. The vector was ligated with adaptors complementary to the insert adaptors and purified. The sheared, adapted mouse DNA was annealed to adaptored vector DNA, and transformed into chemically-competent E. coli XL10-Gold (Stratagene) cells and selected for ampicillin resistance."

BASE COUNT	0	a	19	c	0	g	20	t
ORIGIN								

RESULT 36  
AZ987023

Query Match	0.6%	Score	32.6	DB	17	Length	39	,
Best Local Similarity	89.7%	Pred. No.	5.9e+05					
Matches	35	Conservative	0	Mismatches	0	Gaps	0	;

DEFINITION 2M026NCN34 F Mouse 10kb plasmid UGCG2M library Mus musculus genomic clone UGGC2M026NCN34 F, DNA sequence.

ACCESSION AZ987023

VERSION AZ987023.1

KEYWORDS GI:13858250  
GSS.

SOURCE Mus musculus  
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Buteleostomi;  
Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.  
1 ("bases 1 to 39)

REFERENCE Dunn,D., Aoyagi,A., Barber,M., Beacorn,T., Duval,B., Hamil,C.,' Islam,H., Longacre,J., Mahmoud,M., Menen,P., Pedersen,T., Reilly,M., Rose,M., Rose,R., Stokes,R., Tingey,A., von Niederhausern,A. and Wright,D., Weiss,R.

AUTHORS

TITLE Mouse whole genome scaffolding with paired end reads from 10kb plasmid inserts  
Unpublished (2000)

JOURNAL Contact: Robert B. Weiss  
COMMENT University of Utah Genome Center  
University of Utah  
Rm. 308, Biomedical Polymers Research Bldg., 20 S. 2030 E., SLC, UT  
84112, USA  
Tel: 801 585 5606  
Fax: 801 585 7177  
Email: ddunn@genetics.utah.edu  
Insert Length: 10000 Std Error: 0.00

Plate: 0269 Row: N Column: 24

Seq primer: CGTTGAAACGAGGCCAGT  
Class: Plasmid ends  
High quality sequence stop: 39.

FEATURES Location/Qualifiers

source  
1. .39  
organism="Mus musculus"  
strain="C57BL/6J"  
/db\_xref="Taxon:10090"  
/clone\_id="Mouse 10kb plasmid UGCG2M library"  
/sex="Female"  
/lab\_host="E. coli strain XL10-Gold, Ti-resistant, F-"  
/note="vector: PWD4Env; Purified genomic DNA from M. musculus C57BL/6J (female) was obtained from the Jackson Laboratory Mouse DNA Resource (<http://www.jax.org/resources/documents/dnare/>). The DNA was hydrodynamically sheared by repeated passage through a 0.005 inch orifice at constant velocity. The sheared DNA was blunt end repaired with T4 DNA Polymerase and T4 polynucleotide kinase. Adaptor oligonucleotides were ligated to the blunt ends in high molar excess. The

adaptor DNA was purified and size-selected for a 9.5 to 10.5 kb range using preparative agarose gel electrophoresis. Vector DNA was prepared from a derivative of pWD2 (9-1473:14/9b/AF129072.1), a copy number inducible derivative of plasmid R1. The vector was ligated with adaptors complementary to the insert adaptors and purified. The sheared, adaptor mouse DNA was annealed to adaptor vector DNA, and transformed into chemically competent *E. coli* XL10-Gold (Stratagene) cells and selected for ampicillin resistance.<sup>11</sup>

RECESSION AV672637.1 GI·10110636  
VERSION AV672637.1 MRNA sequence.  
KEYWORDS EST.  
ORGANISM Ciona intestinalis.  
TAXON Ciona intestinalis  
PHYLUM Eukaryota; Metazoa; Chordata; Urochordata; Ascidiaceae; Enterogona;  
CLASS Phlebobranchia; Cionidae; Ciona.  
ORDER 1 (bases 1 to 41)  
REFERENCE Satch.N., Satcu.Y., Kohara.Y. and Shin-i.T.  
AUTHORS Expressed genes in *Ciona intestinalis*  
TITLE Unpublished (2000)  
JOURNAL

Contact: Nori Sato  
 Department of Zoology  
 Kyoto University  
 Sakyo-ku, Kyoto, Kyoto 606-8502, Japan  
 Tel: 81-75-753-4081  
 Fax: 81-75-705-1113  
 Email: sato@assidian.zool.kyoto-u.ac.jp.

FEATURES  
 SOURCE  
 Location/Qualifiers

1. 41  
 /organism="Ciona intestinalis"  
 /db\_xref="Axon:719"  
 /val\_xref="Axon:719"

```

/clone lib="Nori Sarch unpublished cDNA library"
/tissue type="whole animal"
/dev stage="tailbud"
/note="vector: pBluescript SK"
@ a 21 2 0 9 20 t
SE COUNT: 11
SIGN
Query Match 0.6%; Score 32.6; DB 10; Length 41;
Best Local Similarity 89.7%; Pred. No. 5..8e+05;
Matches 35; Conservative 0; Mismatches 4;
Indels 0; Gaps 0;

```

RESULT	38
#065544	AV965544
DEFINITION	49 bp mRNA linear EST 14-MAR-2002
ACCESSION	AV45544 Nori Satch unpublished cDNA library, e23 clona
VERSION	intestinialis cDNA clone cieg1914 5', mRNA sequence.
	AV965544.1 GI:19455240



